

Adapting to Climate Change



Smart Growth – Smart Energy Conference

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Presentation Overview



- ICLEI – Who We Are & What We Do
- ICLEI's Adaptation Program
- Adaptation Planning
- Success Stories
- Discussion, Opportunities, and Questions



Mission

Our mission is to build, serve, and drive a movement of local governments to advance deep reductions in greenhouse gas emissions and achieve tangible improvements in local sustainability.



ICLEI - A Worldwide Movement of Local Governments

11 Offices

68 Countries

6 Continents (over 1000 members)

- **Climate Change Mitigation**
- **Climate Adaptation / Resilience**
- **Sustainability Performance**

How do municipalities benefit from working with ICLEI?

- National and international network of peers
- Emissions analysis software and decision support tool
- Standard methodology and technical assistance
- ICLEI trainings and events
- Technical, policy, and communications assistance
- Framework for approaching climate protection
- Tools and resources (publications)
- State Networks and other networking opportunities



QUESTION -

What is Climate Change Adaptation?

What is Climate Change Mitigation?



Mitigation & Adaptation



- **Climate Mitigation** – Any measure or activity taken to reduce greenhouse gas emissions.
- **Climate Adaptation** – Any measure or act that reduces the negative impacts of climate change or increases new opportunities. There are three ways to adapt to climate change – to anticipate, react spontaneously, or plan.
- **Adaptation and Mitigation are not mutually exclusive**
 - Many mitigation strategies are adaptation strategies and vice versa.
 - Challenge is the integration of the two.

ICLEI has been working in mitigation for last 15+ years, starting to devise resources and support for adaptation.

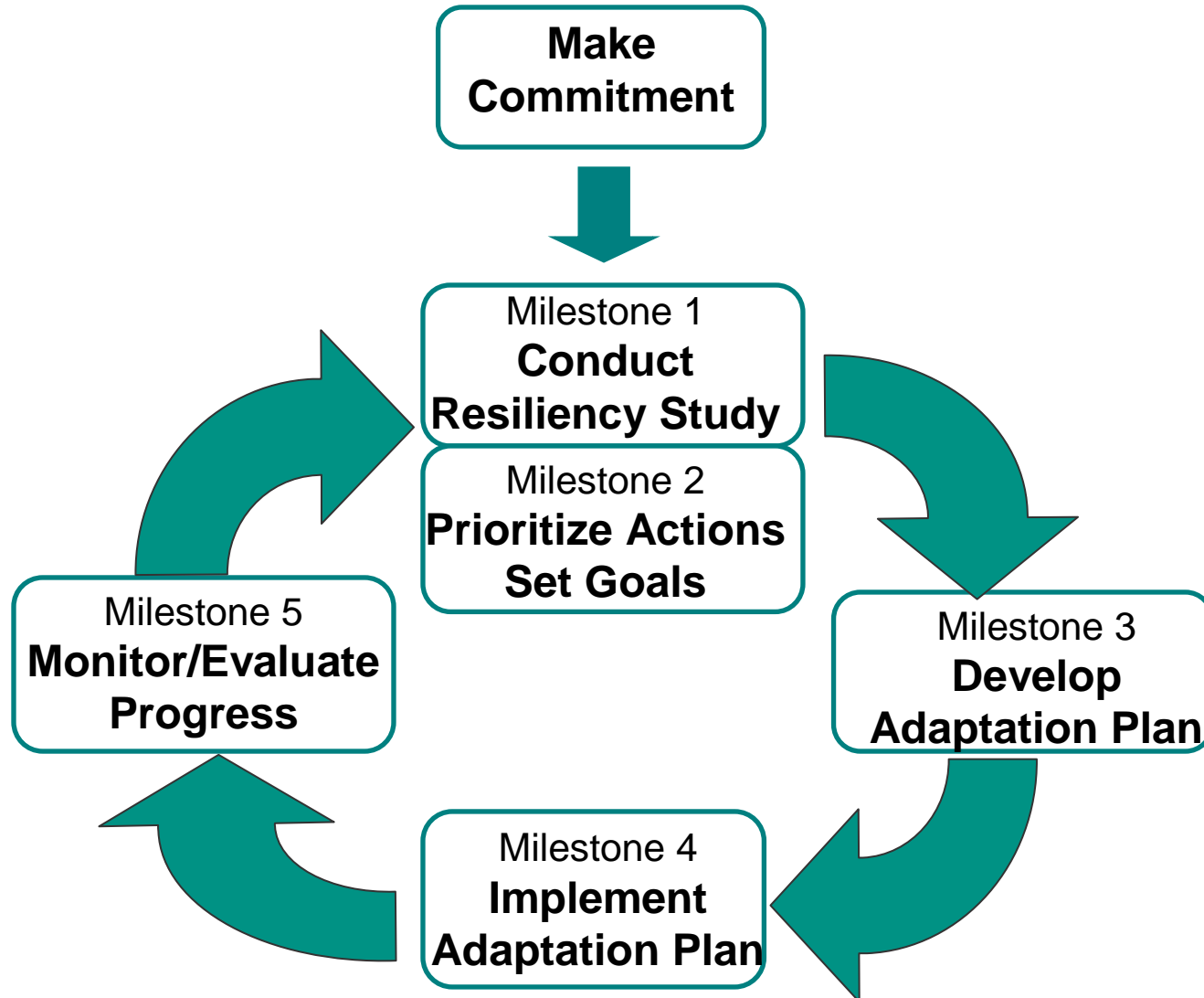
ICLEI's Adaptation Program

Climate Resilient Communities (CRC)

- Recognition of need for climate adaptation as well as mitigation work
- Link local governments to available climate change science
- Identify opportunities for increasing resiliency
- Adaptation in the:
 - Built Environment
 - Natural Environment
 - Social Environment
- Began Pilot of Climate Resilient Communities (CRC)
 - Keene, NH
 - Homer, AK
 - Miami-Dade County, FL
 - Ft. Collins, CO



The ICLEI Adaptation 5-Milestones



Planning for Adaptation (Milestone 1-3)

Scientific Assessment →	Planning Area →	Forecasted Changes in Climate →	Vulnerability and Risk Assessment →	Goal 1 →	Action 1
					Action 2
					Action 3
				Goal 2 →	Action 1
					Action 2
					Action 3



Additional Adaptation Tools and Resources ... in development

- Heat – Health Decision Support Tool
- Prioritization Sheet
- Adaptation Milestone Guide
- Network Tools
- Glossary of Adaptation Terminology
- Sample Vulnerability Assessment
- Much, Much More



Best Practice Example

Keene, NH

- Member of ICLEI's CRC Pilot
- Established Committee of Department Heads to go through process (inc. Mayor, Chief of Police, etc.)
- Completed Milestones 1-3; currently in implementation phase
- Currently looking to include adaptation in:
 - Capital Improvement Program
 - Wetlands ordinances
 - Land rights issues along watershed
 - Culvert studies
- Including adaptation and mitigation in Community Visioning and Comprehensive Planning Process



Discussion, Opportunities, and Questions

- What needs does your community have to effectively incorporate climate concerns into daily operations?
- Thoughts on integration of adaptation and mitigation?
- Ideas on tools to help local efforts to adapt to climate change?
- Calling experts on climate change or municipal planning for ICLEI's Climate Adaptation Steering Committee.



How can your local government make a difference?

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